



TITLE:

# Note on the disintegration of the starch paste caused by the irradiation of ultrasonic waves

AUTHOR(S):

小野, 宗三郎

---

CITATION:

小野, 宗三郎. Note on the disintegration of the starch paste caused by the irradiation of ultrasonic waves. 物理化学の進歩 1940, 14(4): 101-101

ISSUE DATE:

1940-08-31

URL:

<http://hdl.handle.net/2433/46234>

RIGHT:

## NOTE ON THE DISINTEGRATION OF THE STARCH PASTE CAUSED BY THE IRRADIATION OF ULTRASONIC WAVES.

By SÔZABURŌ ONO.

In the author's work\* recently published, the starch paste was stained for the purpose of photographing with a solution of iodine and potassium iodide. There is then a probability that the state of aggregation of starch is affected by the added substances, and it has been proved to the fact by further experiments. It is, therefore, not proper to propose the interpretation that the further enlarging of the vesicle walls take place and the starch aggregate of such a large size, for example, as seen in Fig. 5 (e), is a "super swollen" vesicle. This interpretation must be reserved for a further study of the effect in question.

It is certain, however, that all microphotographic records show the relative change of the paste by the ultrasonic waves. So far as  $\varphi$  is concerned, there is no need to correct, and so the chief point of the report remains unchanged.

*Institute for Chemical Research (Takakuki),  
Kyoto Imperial University.*

(Received July 10, 1940)

---

\* *This Journal*, 14, 25 (1940).